

Table J1b. - Physical Properties of the Soils

Louisa County, Virginia

Entries under "Erosion Factors--T" apply to the entire profile. Entries under "Wind Erodibility Group" and "Wind Erodibility Index" apply only to the surface layer. Absence of an entry indicates that data were not estimated.

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
AbB:														
Abell	0-9	---	---	5-18	1.30-1.55	0.6-6	0.08-0.15	0.0-2.9	1.0-2.0	.28	.28	5	3	86
	9-32	---	---	18-35	1.35-1.55	0.6-2	0.13-0.19	0.0-2.9	0.0-0.5	.28	.28			
	32-38	---	---	30-45	1.35-1.55	0.6-2	0.11-0.17	3.0-5.9	0.0-0.5	.28	.28			
	38-50	---	---	10-27	1.45-1.60	0.6-6	0.08-0.18	0.0-2.9	0.0-0.5	.28	.28			
Colfax	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Worsham	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AcB:														
Abell	0-9	---	---	5-18	1.30-1.55	0.6-6	0.08-0.15	0.0-2.9	1.0-2.0	.43	.43	5	5	56
	9-32	---	---	18-35	1.35-1.55	0.6-2	0.13-0.19	0.0-2.9	0.0-0.5	.28	.28			
	32-38	---	---	30-45	1.35-1.55	0.6-2	0.11-0.17	3.0-5.9	0.0-0.5	.28	.28			
	38-50	---	---	10-27	1.45-1.60	0.6-6	0.08-0.18	0.0-2.9	0.0-0.5	.28	.28			
Lignum	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Roanoke	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Worsham	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AeB:														
Abell	0-11	---	---	10-27	1.25-1.45	0.6-6	0.12-0.20	0.0-2.9	0.5-2.0	.32	.32	5	5	56
	11-32	---	---	18-35	1.35-1.55	0.6-2	0.13-0.19	0.0-2.9	0.0-0.5	.28	.28			
	32-45	---	---	30-45	1.35-1.55	0.6-2	0.11-0.17	3.0-5.9	0.0-0.5	.28	.28			
	45-60	---	---	10-27	1.45-1.60	0.6-6	0.08-0.18	0.0-2.9	0.0-0.5	.28	.28			
Lignum	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table J1b. - Physical Properties of the Soils - Continued

Louisa County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
AeB:														
Roanoke	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Worsham	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AIB:														
Altavista	0-12	---	---	10-20	1.30-1.50	2-6	0.12-0.20	0.0-2.9	0.5-3.0	.28	.28	5	3	86
	12-47	---	---	20-35	1.30-1.50	0.6-2	0.12-0.20	0.0-2.9	0.0-0.5	.24	.24			
	47-64	---	---	5-20	1.25-1.45	2-6	0.08-0.13	0.0-2.9	0.0-0.5	.24	.24			
Wickham	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Fork	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AnB2:														
Appling	0-9	---	---	10-20	1.30-1.45	0.6-2	0.12-0.15	0.0-2.9	0.5-1.0	.24	.24	4	3	86
	9-57	---	---	28-60	1.25-1.45	0.6-2	0.12-0.16	0.0-2.9	0.0-0.5	.28	.28			
	57-79	---	---	5-20	1.40-1.50	0.6-6	0.11-0.16	0.0-2.9	0.0-0.5	.24	.24			
Colfax	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AnC2:														
Appling	0-9	---	---	10-20	1.30-1.45	0.6-2	0.12-0.15	0.0-2.9	0.5-1.0	.24	.24	4	3	86
	9-57	---	---	28-60	1.25-1.45	0.6-2	0.12-0.16	0.0-2.9	0.0-0.5	.28	.28			
	57-79	---	---	5-20	1.40-1.50	0.6-6	0.11-0.16	0.0-2.9	0.0-0.5	.24	.24			
Abell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Colfax	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Iredell	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table J1b. - Physical Properties of the Soils - Continued

Louisa County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
ApB3:														
Appling	0-9	---	---	20-35	1.30-1.45	0.6-2	0.12-0.15	0.0-2.9	0.5-1.0	.15	.15	3	5	56
	9-57	---	---	28-60	1.25-1.45	0.6-2	0.12-0.16	0.0-2.9	0.0-0.5	.28	.28			
	57-79	---	---	5-20	1.40-1.50	0.6-6	0.11-0.16	0.0-2.9	0.0-0.5	.24	.24			
Abell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cecil	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Wedowee	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ArC3:														
Appling	0-9	---	---	20-35	1.30-1.45	0.6-2	0.12-0.15	0.0-2.9	0.5-1.0	.15	.15	3	5	56
	9-57	---	---	28-60	1.25-1.45	0.6-2	0.12-0.16	0.0-2.9	0.0-0.5	.28	.28			
	57-79	---	---	5-20	1.40-1.50	0.6-6	0.11-0.16	0.0-2.9	0.0-0.5	.24	.24			
Wedowee	0-11	---	---	20-30	1.30-1.50	0.6-2	0.12-0.18	0.0-2.9	0.5-3.0	.28	.28	2	5	56
	11-30	---	---	14-30	1.30-1.55	0.6-2	0.12-0.18	0.0-2.9	0.0-0.5	.28	.28			
	30-42	---	---	35-45	1.30-1.50	0.6-2	0.12-0.18	0.0-2.9	0.0-0.5	.28	.28			
	42-46	---	---	15-30	1.20-1.50	0.6-2	0.08-0.15	0.0-2.9	0.0-0.5	.28	.28			
Ashlar	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cecil	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Durham	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Sekil	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AsB:														
Ashlar	0-18	---	---	5-15	1.30-1.55	2-6	0.08-0.15	0.0-2.9	0.5-1.0	.24	.24	2	3	86
	18-34	---	---	5-15	1.30-1.55	2-6	0.04-0.14	0.0-2.9	0.0-0.5	.24	.28			
	34-38	---	---	---	---	0.0000-0.06	---	---	---	---	---			

Table J1b. - Physical Properties of the Soils - Continued

Louisa County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
AsB:														
Appling	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Grover	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Wedowee	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Abell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AsC:														
Ashlar	0-18	---	---	5-15	1.30-1.55	2-6	0.08-0.15	0.0-2.9	0.5-1.0	.24	.24	2	3	86
	18-34	---	---	5-15	1.30-1.55	2-6	0.04-0.14	0.0-2.9	0.0-0.5	.24	.28			
	34-38	---	---	---	---	0.0000-0.06	---	---	---	---	---			
Appling	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Grover	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Wedowee	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Abell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AsC3:														
Ashlar	0-18	---	---	5-15	1.30-1.55	2-6	0.08-0.15	0.0-2.9	0.5-1.0	.24	.24	2	3	86
	18-34	---	---	5-15	1.30-1.55	2-6	0.04-0.14	0.0-2.9	0.0-0.5	.24	.28			
	34-38	---	---	---	---	0.0000-0.06	---	---	---	---	---			
Appling	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Grover	---	---	---	---	---	---	---	---	---	---	---	---	---	---

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Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
AsC3:														
Rock outcrop	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AsD:														
Ashlar	0-18	---	---	5-15	1.30-1.55	2-6	0.08-0.15	0.0-2.9	0.5-1.0	.24	.24	2	3	86
	18-34	---	---	5-15	1.30-1.55	2-6	0.04-0.14	0.0-2.9	0.0-0.5	.24	.28			
	34-38	---	---	---	---	0.0000-0.06	---	---	---	---	---			
Appling	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Grover	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Wedowee	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Rock outcrop	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AsD3:														
Ashlar	0-18	---	---	5-15	1.30-1.55	2-6	0.08-0.15	0.0-2.9	0.5-1.0	.24	.24	2	3	86
	18-34	---	---	5-15	1.30-1.55	2-6	0.04-0.14	0.0-2.9	0.0-0.5	.24	.28			
	34-38	---	---	---	---	0.0000-0.06	---	---	---	---	---			
Rock outcrop	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AV:														
Ashlar	0-18	---	---	5-15	1.30-1.55	2-6	0.08-0.15	0.0-2.9	0.5-1.0	.24	.24	2	3	86
	18-34	---	---	5-15	1.30-1.55	2-6	0.04-0.14	0.0-2.9	0.0-0.5	.24	.28			
	34-38	---	---	---	---	0.0000-0.06	---	---	0.0-0.5	---	---			
Manteo	0-16	---	---	7-27	1.25-1.55	2-6	0.10-0.16	0.0-2.9	0.5-2.0	.28	.37	1	8	0
	16-20	---	---	10-35	1.35-1.65	2-6	0.07-0.14	0.0-2.9	0.0-0.5	.28	.43			
	20-24	---	---	---	---	0.001-0.06	---	---	0.0-0.5	---	---			
Rock outcrop	0-79	---	---	---	---	0.0000-0.06	---	---	---	---	---	---	---	---

Table J1b. - Physical Properties of the Soils - Continued

Louisa County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
AV:														
Appling	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Grover	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nason	---	---	---	---	---	---	---	---	---	---	---	---	---	---
CcB2:														
Cecil	0-6	---	---	5-20	1.30-1.50	2-6	0.12-0.14	0.0-2.9	0.5-1.0	.24	.24	4	3	86
	6-48	---	---	28-60	1.30-1.50	0.6-2	0.13-0.15	0.0-2.9	0.0-0.5	.28	.28			
	48-62	---	---	5-20	1.30-1.50	0.6-2	0.13-0.15	0.0-2.9	0.0-0.5	.28	.28			
Cullen	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Abell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
CcC2:														
Cecil	0-6	---	---	5-20	1.30-1.50	2-6	0.12-0.14	0.0-2.9	0.5-1.0	.24	.24	4	3	86
	6-48	---	---	28-60	1.30-1.50	0.6-2	0.13-0.15	0.0-2.9	0.0-0.5	.28	.28			
	48-62	---	---	5-20	1.30-1.50	0.6-2	0.13-0.15	0.0-2.9	0.0-0.5	.28	.28			
Abell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
CeB3:														
Cecil	0-6	---	---	28-40	1.30-1.50	2-6	0.12-0.14	0.0-2.9	0.5-1.0	.24	.24	3	5	56
	6-48	---	---	20-35	1.30-1.50	0.6-2	0.13-0.15	0.0-2.9	0.0-0.5	.28	.28			
	48-62	---	---	35-70	1.30-1.50	0.6-2	0.13-0.15	0.0-2.9	0.0-0.5	.28	.28			
Abell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Pacolet	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table J1b. - Physical Properties of the Soils - Continued

Louisa County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
CeB3:														
CfC3:														
Cecil	0-6	---	---	28-40	1.30-1.50	2-6	0.12-0.14	0.0-2.9	0.5-1.0	.24	.24	3	5	56
	6-48	---	---	20-35	1.30-1.50	0.6-2	0.13-0.15	0.0-2.9	0.0-0.5	.28	.28			
	48-62	---	---	35-70	1.30-1.50	0.6-2	0.13-0.15	0.0-2.9	0.0-0.5	.28	.28			
Pacolet	0-9	---	---	8-40	1.00-1.50	2-6	0.08-0.12	0.0-2.9	0.5-2.0	.24	.24	2	5	56
	9-32	---	---	35-65	1.30-1.50	0.6-2	0.12-0.15	0.0-2.9	0.0-0.5	.28	.28			
	32-70	---	---	15-30	1.20-1.50	0.6-2	0.08-0.15	0.0-2.9	0.0-0.5	.28	.28			
Cullen	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Madison	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Abell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
CfL:														
Cut and fill land	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ch:														
Chewacla	0-25	---	---	10-28	1.30-1.60	0.6-2	0.15-0.24	0.0-2.9	1.0-4.0	.37	.37	5	5	56
	25-48	---	---	18-35	1.30-1.60	0.6-2	0.12-0.20	0.0-2.9	0.8-1.5	.28	.28			
	48-52	---	---	10-25	1.30-1.50	0.6-2	0.15-0.24	0.0-2.9	0.8-1.5	.32	.32			
Congaree	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Wehadkee	---	---	---	---	---	---	---	---	---	---	---	---	---	---
CIB:														

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Louisa County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
CIB:														
Colfax	0-18	---	---	5-20	1.20-1.50	0.6-6	0.08-0.12	0.0-2.9	1.0-3.0	.28	.28	3	3	86
	18-28	---	---	20-35	1.25-1.55	0.6-2	0.13-0.18	0.0-2.9	0.1-0.8	.28	.28			
	28-50	---	---	15-35	1.65-1.80	0.06-0.2	0.00-0.05	0.0-2.9	0.1-0.8	.28	.28			
	50-62	---	---	10-20	1.65-1.80	0.6-2	0.12-0.18	0.0-2.9	0.3-1.3	.28	.28			
Durham	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Worsham	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cn:														
Congaree	0-34	---	---	10-25	1.20-1.40	0.6-2	0.12-0.20	0.0-2.9	1.0-4.0	.37	.37	5	6	48
	34-44	---	---	10-25	1.20-1.50	0.6-2	0.12-0.20	0.0-2.9	0.8-2.0	.37	.37			
	44-58	---	---	5-25	1.25-1.55	0.6-2	0.12-0.20	0.0-2.9	0.0-0.5	.43	.43			
Chewacla	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Toccoa	---	---	---	---	---	---	---	---	---	---	---	---	---	---
CO:														
Congaree	0-34	---	---	10-25	1.20-1.40	0.6-2	0.12-0.20	0.0-2.9	1.0-4.0	.37	.37	5	6	48
	34-44	---	---	10-25	1.20-1.50	0.6-2	0.12-0.20	0.0-2.9	0.8-2.0	.37	.37			
	44-58	---	---	5-25	1.25-1.55	0.6-2	0.12-0.20	0.0-2.9	0.0-0.5	.43	.43			
Chewacla	0-25	---	---	10-28	1.30-1.60	0.6-2	0.15-0.24	0.0-2.9	1.0-4.0	.37	.37	5	5	56
	25-48	---	---	18-35	1.30-1.60	0.6-2	0.12-0.20	0.0-2.9	0.8-1.5	.28	.28			
	48-52	---	---	10-25	1.30-1.50	0.6-2	0.15-0.24	0.0-2.9	0.8-1.5	.32	.32			
Toccoa	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Wehadkee	---	---	---	---	---	---	---	---	---	---	---	---	---	---

CuB2:

Table J1b. - Physical Properties of the Soils - Continued

Louisa County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
CuB2:														
Cullen	0-10	---	---	15-27	1.20-1.50	2-6	0.14-0.19	0.0-2.9	1.0-2.0	.28	.28	4	5	56
	10-54	---	---	30-60	1.30-1.60	0.6-2	0.13-0.17	3.0-5.9	0.0-0.5	.24	.24			
	54-78	---	---	5-20	1.30-1.50	0.6-2	0.12-0.16	3.0-5.9	0.0-0.5	.24	.24			
Abell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Enon	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mecklenburg	---	---	---	---	---	---	---	---	---	---	---	---	---	---
CuC2:														
Cullen	0-10	---	---	15-27	1.20-1.50	2-6	0.14-0.19	0.0-2.9	1.0-2.0	.28	.28	4	5	56
	10-54	---	---	30-60	1.30-1.60	0.6-2	0.13-0.17	3.0-5.9	0.0-0.5	.24	.24			
	54-78	---	---	5-20	1.30-1.50	0.6-2	0.12-0.16	3.0-5.9	0.0-0.5	.24	.24			
Abell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Poindexter	---	---	---	---	---	---	---	---	---	---	---	---	---	---
CwB3:														
Cullen	0-10	---	---	28-40	1.30-1.50	2-6	0.12-0.14	0.0-2.9	0.5-1.0	.24	.24	3	6	48
	10-54	---	---	30-60	1.30-1.60	0.6-2	0.13-0.17	3.0-5.9	0.0-0.5	.24	.24			
	54-78	---	---	5-20	1.30-1.50	0.6-2	0.12-0.16	3.0-5.9	0.0-0.5	.24	.24			
Cecil	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tatum	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Turbeville	---	---	---	---	---	---	---	---	---	---	---	---	---	---

CwC3:

Table J1b. - Physical Properties of the Soils - Continued

Louisa County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
CwC3:														
Cullen	0-10	---	---	28-40	1.30-1.50	2-6	0.12-0.14	0.0-2.9	0.5-1.0	.24	.24	3	6	48
	10-54	---	---	30-60	1.30-1.60	0.6-2	0.13-0.17	3.0-5.9	0.0-0.5	.24	.24			
	54-78	---	---	5-20	1.30-1.50	0.6-2	0.12-0.16	3.0-5.9	0.0-0.5	.24	.24			
Fluvanna	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Poindexter	---	---	---	---	---	---	---	---	---	---	---	---	---	---
DuB:														
Durham	0-19	---	---	5-20	1.30-1.60	2-6	0.08-0.12	0.0-2.9	0.5-2.0	.32	.32	5	3	86
	19-46	---	---	20-40	1.30-1.50	0.6-2	0.08-0.14	0.0-2.9	0.0-0.5	.20	.20			
	46-54	---	---	5-20	1.60-1.80	0.6-2	0.06-0.10	0.0-2.9	0.1-0.5	.17	.17			
Appling	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Colfax	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Eb:														
Elbert	0-5	---	---	15-27	1.20-1.50	0.6-2	0.14-0.20	0.0-2.9	1.0-3.0	.43	.43	3	4	86
	5-52	---	---	30-50	1.20-1.50	0.06-0.2	0.10-0.14	6.0-8.9	0.0-0.5	.24	.24			
	52-61	---	---	10-20	1.30-1.60	0.06-0.2	0.05-0.10	0.0-2.9	0.0-0.5	.24	.28			
Iredell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Zion	---	---	---	---	---	---	---	---	---	---	---	---	---	---
FIB2:														
Fluvanna	0-9	---	---	5-27	1.25-1.55	2-6	0.10-0.15	0.0-2.9	1.0-3.0	.28	.28	4	3	86
	9-35	---	---	35-65	1.30-1.60	0.001-0.6	0.10-0.17	3.0-5.9	0.0-0.5	.28	.28			
	35-54	---	---	20-40	1.30-1.60	0.001-0.6	0.05-0.09	3.0-5.9	0.0-0.5	.28	.32			
Cullen	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table J1b. - Physical Properties of the Soils - Continued

Louisa County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
FIB2:														
Orange	---	---	---	---	---	---	---	---	---	---	---	---	---	---
FIC2:														
Fluvanna	0-9	---	---	5-27	1.25-1.55	2-6	0.10-0.15	0.0-2.9	1.0-3.0	.28	.28	4	3	86
	9-35	---	---	35-65	1.30-1.60	0.001-0.6	0.10-0.17	3.0-5.9	0.0-0.5	.28	.28			
	35-54	---	---	20-40	1.30-1.60	0.001-0.6	0.05-0.09	3.0-5.9	0.0-0.5	.28	.32			
Nason	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Sekil	---	---	---	---	---	---	---	---	---	---	---	---	---	---
FN:														
Fluvaquents	0-9	---	---	6-40	1.35-1.50	0.6-2	0.15-0.24	0.0-2.9	2.0-5.0	.32	.32	5	5	56
	9-30	---	---	18-35	1.30-1.50	0.6-2	0.16-0.20	0.0-2.9	0.0-0.5	.32	.32			
	30-62	---	---	0-15	1.45-1.60	6-20	0.05-0.10	0.0-2.9	0.0-0.5	.10	.10			
Shallow water	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Fo:														
Forestdale	0-8	---	---	10-28	1.50-1.55	0.2-0.6	0.20-0.22	3.0-5.9	0.5-2.0	.43	.43	5	4L	56
	8-55	---	---	35-60	1.50-1.60	0.001-0.06	0.14-0.18	6.0-8.9	0.0-0.5	.28	.28			
	55-62	---	---	10-35	1.45-1.55	0.2-0.6	0.17-0.22	3.0-5.9	0.0-0.5	.37	.37			
Fork	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Wehadkee	---	---	---	---	---	---	---	---	---	---	---	---	---	---
FrB:														
Fork	0-9	---	---	10-20	1.20-1.50	2-6	0.14-0.21	0.0-2.9	1.0-3.0	.28	.28	4	5	56
	9-52	---	---	18-40	1.30-1.60	0.6-2	0.16-0.21	0.0-2.9	0.1-0.5	.32	.32			
	52-64	---	---	5-35	1.20-1.60	0.6-20	0.08-0.22	0.0-2.9	0.0-0.5	.24	.24			

Table J1b. - Physical Properties of the Soils - Continued

Louisa County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
FrB:														
Altavista	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Forestdale	---	---	---	---	---	---	---	---	---	---	---	---	---	---
GrB2:														
Grover	0-6	---	---	8-25	1.45-1.65	2-6	0.10-0.12	0.0-2.9	0.5-2.0	.24	.24	3	3	86
	6-33	---	---	18-35	1.25-1.40	0.6-2	0.12-0.14	0.0-2.9	0.0-0.5	.32	.32			
	33-62	---	---	4-25	1.60-1.70	0.6-2	0.10-0.14	0.0-2.9	0.0-0.5	.32	.32			
Appling	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Madison	---	---	---	---	---	---	---	---	---	---	---	---	---	---
GrC2:														
Grover	0-6	---	---	8-25	1.45-1.65	2-6	0.10-0.12	0.0-2.9	0.5-2.0	.24	.24	3	3	86
	6-33	---	---	18-35	1.25-1.40	0.6-2	0.12-0.14	0.0-2.9	0.0-0.5	.32	.32			
	33-62	---	---	4-25	1.60-1.70	0.6-2	0.10-0.14	0.0-2.9	0.0-0.5	.32	.32			
Appling	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ashlar	---	---	---	---	---	---	---	---	---	---	---	---	---	---
GvB3:														
Grover	0-6	---	---	8-30	1.45-1.65	0.6-2	0.10-0.15	0.0-2.9	0.5-2.0	.15	.15	3	5	56
	6-33	---	---	18-35	1.25-1.40	0.6-2	0.12-0.14	0.0-2.9	0.0-0.5	.32	.32			
	33-62	---	---	4-25	1.60-1.70	0.6-2	0.10-0.14	0.0-2.9	0.0-0.5	.32	.32			
Abell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Appling	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table J1b. - Physical Properties of the Soils - Continued

Louisa County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
GvB3:	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
Madison	---	---	---	---	---	---	---	---	---	---	---	---	---	---
GvC3:														
Grover	0-6	---	---	8-30	1.45-1.65	0.6-2	0.10-0.15	0.0-2.9	0.5-2.0	.15	.15	3	5	56
	6-33	---	---	18-35	1.25-1.40	0.6-2	0.12-0.14	0.0-2.9	0.0-0.5	.32	.32			
	33-62	---	---	4-25	1.60-1.70	0.6-2	0.10-0.14	0.0-2.9	0.0-0.5	.32	.32			
Ashlar	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Madison	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IdB:														
Iredell	0-11	---	---	10-30	1.30-1.70	2-6	0.12-0.15	0.0-2.9	0.5-2.0	.24	.24	3	3	86
	11-27	---	---	40-60	1.20-1.45	0.06-0.2	0.16-0.22	9.0-25.0	0.0-0.5	.20	.20			
	27-69	---	---	10-35	1.30-1.60	0.06-0.2	0.14-0.18	6.0-8.9	0.0-0.5	.28	.28			
Colfax	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Sekil	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Worsham	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IdB2:														
Iredell	0-11	---	---	10-30	1.30-1.70	2-6	0.12-0.15	0.0-2.9	0.5-2.0	.24	.24	3	3	86
	11-27	---	---	40-60	1.20-1.45	0.06-0.2	0.16-0.22	9.0-25.0	0.0-0.5	.20	.20			
	27-69	---	---	10-35	1.30-1.60	0.06-0.2	0.14-0.18	6.0-8.9	0.0-0.5	.28	.28			
Cecil	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cullen	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table J1b. - Physical Properties of the Soils - Continued

Louisa County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
IdB2:														
Sekil	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IdC2:														
Iredell	0-11	---	---	10-30	1.30-1.70	2-6	0.12-0.15	0.0-2.9	0.5-2.0	.24	.24	3	3	86
	11-27	---	---	40-60	1.20-1.45	0.06-0.2	0.16-0.22	9.0-25.0	0.0-0.5	.20	.20			
	27-69	---	---	10-35	1.30-1.60	0.06-0.2	0.14-0.18	6.0-8.9	0.0-0.5	.28	.28			
Cecil	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cullen	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Sekil	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IrA:														
Iredell	0-11	---	---	10-30	1.30-1.70	2-6	0.12-0.15	0.0-2.9	0.5-2.0	.32	.32	3	6	48
	11-27	---	---	40-60	1.20-1.45	0.06-0.2	0.16-0.22	9.0-25.0	0.0-0.5	.20	.20			
	27-69	---	---	10-35	1.30-1.60	0.06-0.2	0.14-0.18	6.0-8.9	0.0-0.5	.28	.28			
Elbert	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Zion	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IrB:														
Iredell	0-11	---	---	10-30	1.30-1.70	2-6	0.12-0.15	0.0-2.9	0.5-2.0	.32	.32	3	6	48
	11-27	---	---	40-60	1.20-1.45	0.06-0.2	0.16-0.22	9.0-25.0	0.0-0.5	.20	.20			
	27-69	---	---	10-35	1.30-1.60	0.06-0.2	0.14-0.18	6.0-8.9	0.0-0.5	.28	.28			
Poindexter	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Zion	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table J1b. - Physical Properties of the Soils - Continued

Louisa County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
IrB:														
Iv:														
Iredell	0-12	---	---	15-28	1.20-1.40	0.6-2	0.14-0.17	0.0-2.9	0.5-2.0	.43	.43	3	6	48
	12-28	---	---	28-40	1.20-1.45	0.06-0.2	0.16-0.22	6.0-8.9	0.0-0.5	.20	.20			
	28-48	---	---	40-60	1.30-1.60	0.06-0.2	0.14-0.18	9.0-25.0	0.0-0.5	.28	.28			
	48-56	---	---	20-35	1.20-1.40	0.2-0.6	0.14-0.17	6.0-8.9	0.0-0.5	.15	.15			
Abell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Elbert	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Zion	---	---	---	---	---	---	---	---	---	---	---	---	---	---
LgB:														
Lignum	0-8	---	---	10-25	1.20-1.50	0.6-2	0.14-0.20	0.0-2.9	0.5-2.0	.32	.32	4	3	86
	8-43	---	---	35-55	1.25-1.55	0.001-0.06	0.10-0.18	3.0-5.9	0.0-0.5	.28	.28			
	43-52	---	---	12-40	1.20-1.50	0.001-0.06	0.17-0.20	0.0-2.9	0.0-0.5	.43	.43			
Abell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Worsham	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MaB2:														
Madison	0-5	---	---	5-40	1.45-1.65	2-6	0.11-0.15	0.0-2.9	0.5-2.0	.24	.24	4	5	56
	5-24	---	---	30-50	1.20-1.40	0.6-2	0.13-0.18	0.0-2.9	0.0-0.5	.32	.32			
	24-72	---	---	10-35	1.30-1.40	0.6-2	0.12-0.16	0.0-2.9	0.0-0.5	.28	.32			
Cecil	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Grover	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table J1b. - Physical Properties of the Soils - Continued

Louisa County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
MaB2:	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
Rock outcrop	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MaC2:														
Madison	0-5	---	---	5-40	1.45-1.65	2-6	0.11-0.15	0.0-2.9	0.5-2.0	.24	.24	4	5	56
	5-24	---	---	30-50	1.20-1.40	0.6-2	0.13-0.18	0.0-2.9	0.0-0.5	.32	.32			
	24-72	---	---	10-35	1.30-1.40	0.6-2	0.12-0.16	0.0-2.9	0.0-0.5	.28	.32			
Abell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ashlar	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Grover	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Rock outcrop	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Md:														
Mine dump	---	---	---	---	---	---	---	---	---	---	---	---	---	0
MdB3:														
Madison	0-5	---	---	15-40	1.45-1.65	2-6	0.11-0.15	0.0-2.9	0.5-2.0	.24	.24	3	6	48
	5-24	---	---	30-50	1.20-1.40	0.6-2	0.13-0.18	0.0-2.9	0.0-0.5	.32	.32			
	24-72	---	---	10-35	1.30-1.40	0.6-2	0.12-0.16	0.0-2.9	0.0-0.5	.28	.32			
Grover	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MdC3:														
Madison	0-5	---	---	15-40	1.45-1.65	2-6	0.11-0.15	0.0-2.9	0.5-2.0	.24	.24	3	6	48
	5-24	---	---	30-50	1.20-1.40	0.6-2	0.13-0.18	0.0-2.9	0.0-0.5	.32	.32			
	24-72	---	---	10-35	1.30-1.40	0.6-2	0.12-0.16	0.0-2.9	0.0-0.5	.28	.32			
Ashlar	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table J1b. - Physical Properties of the Soils - Continued

Louisa County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
MdC3:														
Grover	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Rock outcrop	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MnB:														
Manteo	0-16	---	---	7-27	1.25-1.55	2-6	0.10-0.16	0.0-2.9	0.5-2.0	.10	.43	1	8	0
	16-20	---	---	10-27	1.35-1.65	2-6	0.07-0.14	0.0-2.9	0.0-0.5	.28	.43			
	20-24	---	---	---	---	0.001-0.06	---	---	---	---	---			
Abell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nason	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MnC:														
Manteo	0-16	---	---	7-27	1.25-1.55	2-6	0.10-0.16	0.0-2.9	0.5-2.0	.10	.43	1	8	0
	16-20	---	---	10-27	1.35-1.65	2-6	0.07-0.14	0.0-2.9	0.0-0.5	.28	.43			
	20-24	---	---	---	---	0.001-0.06	---	---	---	---	---			
Nason	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MnD:														
Manteo	0-16	---	---	7-27	1.25-1.55	2-6	0.10-0.16	0.0-2.9	0.5-2.0	.10	.43	1	8	0
	16-20	---	---	10-27	1.35-1.65	2-6	0.07-0.14	0.0-2.9	0.0-0.5	.28	.43			
	20-24	---	---	---	---	0.001-0.06	---	---	---	---	---			
Nason	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tatum	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Rock outcrop	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table J1b. - Physical Properties of the Soils - Continued

Louisa County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
MnD:														
MnE:														
Manteo	0-16	---	---	7-27	1.25-1.55	2-6	0.10-0.16	0.0-2.9	0.5-2.0	.10	.43	1	8	0
	16-20	---	---	10-27	1.35-1.65	2-6	0.07-0.14	0.0-2.9	0.0-0.5	.28	.43			
	20-24	---	---	---	---	0.001-0.06	---	---	---	---	---			
Rock outcrop	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MoC:														
Manteo	0-16	---	---	7-27	1.25-1.55	2-6	0.10-0.16	0.0-2.9	0.5-2.0	.10	.43	1	8	0
	16-20	---	---	10-27	1.35-1.65	2-6	0.07-0.14	0.0-2.9	0.0-0.5	.28	.43			
	20-24	---	---	---	---	0.001-0.06	---	---	---	---	---			
Abell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nason	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MoD:														
Manteo	0-16	---	---	7-27	1.25-1.55	2-6	0.10-0.16	0.0-2.9	0.5-2.0	.10	.43	1	8	0
	16-20	---	---	10-27	1.35-1.65	2-6	0.07-0.14	0.0-2.9	0.0-0.5	.28	.43			
	20-24	---	---	---	---	0.001-0.06	---	---	---	---	---			
Nason	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Rock outcrop	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MsB2:														
Masada	0-10	---	---	10-27	1.20-1.50	2-6	0.10-0.17	0.0-2.9	1.0-3.0	.32	.32	4	3	86
	10-48	---	---	40-60	1.30-1.60	0.6-2	0.10-0.17	3.0-5.9	0.0-0.5	.24	.24			
	48-54	---	---	12-40	1.30-1.60	0.6-2	0.10-0.17	3.0-5.9	0.0-0.5	.17	.24			
Altavista	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table J1b. - Physical Properties of the Soils - Continued

Louisa County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
MsB2:														
Turbeville	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MsC2:														
Masada	0-10	---	---	10-27	1.20-1.50	2-6	0.10-0.17	0.0-2.9	1.0-3.0	.32	.32	4	3	86
	10-48	---	---	40-60	1.30-1.60	0.6-2	0.10-0.17	3.0-5.9	0.0-0.5	.24	.24			
	48-54	---	---	12-40	1.30-1.60	0.6-2	0.10-0.17	3.0-5.9	0.0-0.5	.17	.24			
Appling	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ashlar	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MuB2:														
Mecklenburg	0-6	---	---	8-40	1.30-1.50	0.6-2	0.14-0.19	0.0-2.9	0.5-2.0	.32	.32	4	5	56
	6-38	---	---	35-60	1.40-1.60	0.06-0.2	0.12-0.14	3.0-5.9	0.0-0.5	.28	.28			
	38-72	---	---	15-35	1.40-1.60	0.6-2	0.12-0.14	0.0-2.9	0.0-0.5	.32	.32			
Enon	0-6	---	---	7-40	1.25-1.45	0.6-2	0.15-0.20	0.0-2.9	0.5-2.0	.32	.32	3	5	56
	6-38	---	---	20-60	1.30-1.50	0.6-2	0.12-0.15	0.0-2.9	0.0-0.5	.24	.24			
	38-52	---	---	20-40	1.20-1.40	0.06-0.2	0.12-0.16	6.0-8.9	0.0-0.5	.28	.28			
Cullen	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Iredell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Zion	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MuC2:														
Mecklenburg	0-6	---	---	8-40	1.30-1.50	0.6-2	0.14-0.19	0.0-2.9	0.5-2.0	.32	.32	4	5	56
	6-38	---	---	35-60	1.40-1.60	0.06-0.2	0.12-0.14	3.0-5.9	0.0-0.5	.28	.28			
	38-72	---	---	15-35	1.40-1.60	0.6-2	0.12-0.14	0.0-2.9	0.0-0.5	.32	.32			

Table J1b. - Physical Properties of the Soils - Continued

Louisa County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
MuC2:														
Enon	0-6	---	---	7-40	1.25-1.45	0.6-2	0.15-0.20	0.0-2.9	0.5-2.0	.32	.32	3	5	56
	6-38	---	---	20-60	1.30-1.50	0.6-2	0.12-0.15	0.0-2.9	0.0-0.5	.24	.24			
	38-52	---	---	20-40	1.20-1.40	0.06-0.2	0.12-0.16	6.0-8.9	0.0-0.5	.28	.28			
Poindexter	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Zion	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Rock outcrop	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MvC3:														
Mecklenburg	0-6	---	---	15-40	1.30-1.50	0.6-2	0.14-0.19	0.0-2.9	0.5-2.0	.24	.24	2	6	48
	6-38	---	---	35-60	1.40-1.60	0.06-0.2	0.12-0.14	3.0-5.9	0.0-0.5	.28	.28			
	38-72	---	---	15-35	1.40-1.60	0.6-2	0.12-0.14	0.0-2.9	0.0-0.5	.32	.32			
Enon	0-6	---	---	15-40	1.25-1.45	0.6-2	0.15-0.20	0.0-2.9	0.5-2.0	.32	.32	2	6	48
	6-38	---	---	20-60	1.30-1.50	0.6-2	0.12-0.15	0.0-2.9	0.0-0.5	.24	.24			
	38-52	---	---	20-40	1.20-1.40	0.06-0.2	0.12-0.16	6.0-8.9	0.0-0.5	.28	.28			
Poindexter	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Zion	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Rock outcrop	---	---	---	---	---	---	---	---	---	---	---	---	---	---
NaD2:														
Nason	0-14	---	---	10-35	1.25-1.55	0.6-2	0.14-0.20	0.0-2.9	1.0-3.0	.24	.28	4	5	56
	14-48	---	---	35-50	1.30-1.60	0.6-2	0.12-0.19	3.0-5.9	0.0-0.5	.28	.28			
	48-62	---	---	10-25	1.25-1.55	0.6-2	0.15-0.20	0.0-2.9	0.0-0.5	.28	.32			
Abell	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table J1b. - Physical Properties of the Soils - Continued

Louisa County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
NaD2:	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
Manteo	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Rock outcrop	---	---	---	---	---	---	---	---	---	---	---	---	---	---
NoB2:														
Nason	0-14	---	---	10-35	1.25-1.55	0.6-2	0.14-0.20	0.0-2.9	1.0-3.0	.37	.43	4	5	56
	14-48	---	---	35-50	1.30-1.60	0.6-2	0.12-0.19	3.0-5.9	0.0-0.5	.28	.28			
	48-62	---	---	10-25	1.25-1.55	0.6-2	0.15-0.20	0.0-2.9	0.0-0.5	.28	.32			
Abell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tatum	---	---	---	---	---	---	---	---	---	---	---	---	---	---
NoC2:														
Nason	0-14	---	---	10-35	1.25-1.55	0.6-2	0.14-0.20	0.0-2.9	1.0-3.0	.37	.43	4	5	56
	14-48	---	---	35-50	1.30-1.60	0.6-2	0.12-0.19	3.0-5.9	0.0-0.5	.28	.28			
	48-62	---	---	10-25	1.25-1.55	0.6-2	0.15-0.20	0.0-2.9	0.0-0.5	.28	.32			
Manteo	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tatum	---	---	---	---	---	---	---	---	---	---	---	---	---	---
NsB3:														
Nason	0-14	---	---	10-45	1.25-1.55	0.6-2	0.14-0.20	0.0-2.9	1.0-3.0	.28	.32	3	6	48
	14-48	---	---	35-50	1.30-1.60	0.6-2	0.12-0.19	3.0-5.9	0.0-0.5	.28	.28			
	48-62	---	---	10-25	1.25-1.55	0.6-2	0.15-0.20	0.0-2.9	0.0-0.5	.28	.32			
Tatum	---	---	---	---	---	---	---	---	---	---	---	---	---	---
NsC3:														

Table J1b. - Physical Properties of the Soils - Continued

Louisa County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
NsC3:														
Nason	0-14	---	---	10-45	1.25-1.55	0.6-2	0.14-0.20	0.0-2.9	1.0-3.0	.28	.32	3	6	48
	14-48	---	---	35-50	1.30-1.60	0.6-2	0.12-0.19	3.0-5.9	0.0-0.5	.28	.28			
	48-62	---	---	10-25	1.25-1.55	0.6-2	0.15-0.20	0.0-2.9	0.0-0.5	.28	.32			
Manteo	---	---	---	---	---	---	---	---	---	---	---	---	---	---
OrB:														
Orange	0-7	---	---	10-27	1.25-1.55	0.6-2	0.14-0.20	0.0-2.9	1.0-3.0	.43	.43	3	5	56
	7-41	---	---	35-60	1.35-1.65	0.06-0.2	0.10-0.19	6.0-8.9	0.0-0.5	.28	.32			
	41-46	---	---	10-20	1.35-1.65	0.2-0.6	0.13-0.20	0.0-2.9	0.0-0.5	.28	.32			
	46-79	---	---	---	---	0.001-0.06	---	---	---	---	---			
Abell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Fluvanna	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Poindexter	---	---	---	---	---	---	---	---	---	---	---	---	---	---
OxB:														
Orange	0-7	---	---	10-27	1.25-1.55	0.6-2	0.14-0.20	0.0-2.9	1.0-3.0	.43	.43	3	5	56
	7-41	---	---	35-60	1.35-1.65	0.06-0.2	0.10-0.19	6.0-8.9	0.0-0.5	.28	.32			
	41-46	---	---	10-20	1.35-1.65	0.2-0.6	0.13-0.20	0.0-2.9	0.0-0.5	.28	.32			
	46-79	---	---	---	---	0.001-0.06	---	---	---	---	---			
Poindexter	0-9	---	---	10-25	1.25-1.45	2-6	0.12-0.20	0.0-2.9	0.5-2.0	.32	.32	3	5	56
	9-20	---	---	20-35	1.35-1.45	0.6-2	0.13-0.19	0.0-2.9	0.0-0.5	.24	.28			
	20-40	---	---	10-35	1.30-1.55	0.6-6	0.08-0.15	0.0-2.9	0.0-0.5	.24	.28			
	40-79	---	---	---	---	0.001-0.06	---	---	---	---	---			
Elbert	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Abell	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table J1b. - Physical Properties of the Soils - Continued

Louisa County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
OxB:	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
Fluvanna	---	---	---	---	---	---	---	---	---	---	---	---	---	---
PaB2:														
Pacolet	0-9	---	---	8-35	1.00-1.50	2-6	0.08-0.12	0.0-2.9	0.5-2.0	.24	.24	3	3	86
	9-32	---	---	35-65	1.30-1.50	0.6-2	0.12-0.15	0.0-2.9	0.0-0.5	.28	.28			
	32-70	---	---	15-30	1.20-1.50	0.6-2	0.08-0.15	0.0-2.9	0.0-0.5	.28	.28			
Cecil	0-6	---	---	5-20	1.30-1.50	2-6	0.12-0.14	0.0-2.9	0.5-1.0	.24	.24	4	3	86
	6-48	---	---	28-60	1.30-1.50	0.6-2	0.13-0.15	0.0-2.9	0.0-0.5	.28	.28			
	48-62	---	---	5-20	1.30-1.50	0.6-2	0.13-0.15	0.0-2.9	0.0-0.5	.28	.28			
Appling	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Iredell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Wedowee	---	---	---	---	---	---	---	---	---	---	---	---	---	---
PaC2:														
Pacolet	0-9	---	---	8-35	1.00-1.50	2-6	0.08-0.12	0.0-2.9	0.5-2.0	.24	.24	3	3	86
	9-32	---	---	35-65	1.30-1.50	0.6-2	0.12-0.15	0.0-2.9	0.0-0.5	.28	.28			
	32-70	---	---	15-30	1.20-1.50	0.6-2	0.08-0.15	0.0-2.9	0.0-0.5	.28	.28			
Cecil	0-6	---	---	5-20	1.30-1.50	2-6	0.12-0.14	0.0-2.9	0.5-1.0	.24	.24	4	3	86
	6-48	---	---	28-60	1.30-1.50	0.6-2	0.13-0.15	0.0-2.9	0.0-0.5	.28	.28			
	48-62	---	---	5-20	1.30-1.50	0.6-2	0.13-0.15	0.0-2.9	0.0-0.5	.28	.28			
Appling	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ashlar	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Sekil	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table J1b. - Physical Properties of the Soils - Continued

Louisa County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
PaC2:	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
Wedowee	---	---	---	---	---	---	---	---	---	---	---	---	---	---
PaD2:														
Pacolet	0-9	---	---	8-35	1.00-1.50	2-6	0.08-0.12	0.0-2.9	0.5-2.0	.24	.24	3	3	86
	9-32	---	---	35-65	1.30-1.50	0.6-2	0.12-0.15	0.0-2.9	0.0-0.5	.28	.28			
	32-70	---	---	15-30	1.20-1.50	0.6-2	0.08-0.15	0.0-2.9	0.0-0.5	.28	.28			
Cecil	0-6	---	---	5-20	1.30-1.50	2-6	0.12-0.14	0.0-2.9	0.5-1.0	.24	.24	4	3	86
	6-48	---	---	28-60	1.30-1.50	0.6-2	0.13-0.15	0.0-2.9	0.0-0.5	.28	.28			
	48-62	---	---	5-20	1.30-1.50	0.6-2	0.13-0.15	0.0-2.9	0.0-0.5	.28	.28			
Appling	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Madison	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Sekil	---	---	---	---	---	---	---	---	---	---	---	---	---	---
PcD3:														
Pacolet	0-9	---	---	8-40	1.00-1.50	2-6	0.08-0.12	0.0-2.9	0.5-2.0	.24	.24	2	5	56
	9-32	---	---	35-65	1.30-1.50	0.6-2	0.12-0.15	0.0-2.9	0.0-0.5	.28	.28			
	32-70	---	---	15-30	1.20-1.50	0.6-2	0.08-0.15	0.0-2.9	0.0-0.5	.28	.28			
Cecil	0-6	---	---	28-40	1.30-1.50	2-6	0.12-0.14	0.0-2.9	0.5-1.0	.24	.24	3	5	56
	6-48	---	---	20-35	1.30-1.50	0.6-2	0.13-0.15	0.0-2.9	0.0-0.5	.28	.28			
	48-62	---	---	35-70	1.30-1.50	0.6-2	0.13-0.15	0.0-2.9	0.0-0.5	.28	.28			
Appling	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ashlar	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Sekil	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table J1b. - Physical Properties of the Soils - Continued

Louisa County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
PcD3:														
Rock outcrop	---	---	---	---	---	---	---	---	---	---	---	---	---	---
PxB:														
Poindexter	0-9	---	---	10-25	1.25-1.45	2-6	0.12-0.20	0.0-2.9	0.5-2.0	.32	.32	3	5	56
	9-20	---	---	20-35	1.35-1.45	0.6-2	0.13-0.19	0.0-2.9	0.0-0.5	.24	.28			
	20-40	---	---	10-35	1.30-1.55	0.6-6	0.08-0.15	0.0-2.9	0.0-0.5	.24	.28			
	40-79	---	---	---	---	0.001-0.06	---	---	---	---	---			
Iredell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Orange	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Zion	---	---	---	---	---	---	---	---	---	---	---	---	---	---
PxC:														
Poindexter	0-9	---	---	10-25	1.25-1.45	2-6	0.12-0.20	0.0-2.9	0.5-2.0	.32	.32	3	5	56
	9-20	---	---	20-35	1.35-1.45	0.6-2	0.13-0.19	0.0-2.9	0.0-0.5	.24	.28			
	20-40	---	---	10-35	1.30-1.55	0.6-6	0.08-0.15	0.0-2.9	0.0-0.5	.24	.28			
	40-79	---	---	---	---	0.001-0.06	---	---	---	---	---			
Mecklenburg	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Zion	---	---	---	---	---	---	---	---	---	---	---	---	---	---
PxC3:														
Poindexter	0-9	---	---	10-25	1.25-1.45	2-6	0.12-0.20	0.0-2.9	0.5-2.0	.32	.32	3	5	56
	9-20	---	---	20-35	1.35-1.45	0.6-2	0.13-0.19	0.0-2.9	0.0-0.5	.24	.28			
	20-40	---	---	10-35	1.30-1.55	0.6-6	0.08-0.15	0.0-2.9	0.0-0.5	.24	.28			
	40-79	---	---	---	---	0.001-0.06	---	---	---	---	---			
Cullen	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table J1b. - Physical Properties of the Soils - Continued

Louisa County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
PxC3:	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
Mecklenburg	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Zion	---	---	---	---	---	---	---	---	---	---	---	---	---	---
PxD:														
Poindexter	0-9	---	---	10-25	1.25-1.45	2-6	0.12-0.20	0.0-2.9	0.5-2.0	.32	.32	3	5	56
	9-20	---	---	20-35	1.35-1.45	0.6-2	0.13-0.19	0.0-2.9	0.0-0.5	.24	.28			
	20-40	---	---	10-35	1.30-1.55	0.6-6	0.08-0.15	0.0-2.9	0.0-0.5	.24	.28			
	40-79	---	---	---	---	0.001-0.06	---	---	---	---	---			
Cullen	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Sekil	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Rock outcrop	---	---	---	---	---	---	---	---	---	---	---	---	---	---
QU:														
Quarry	---	---	---	---	---	---	---	---	---	---	---	---	---	0
RoB:														
Roanoke	0-10	---	---	10-27	1.20-1.50	0.6-2	0.14-0.20	0.0-2.9	0.5-2.0	.43	.43	4	5	56
	10-50	---	---	28-60	1.20-1.50	0.001-20	0.16-0.19	3.0-5.9	0.0-0.5	.24	.24			
	50-57	---	---	10-27	1.35-1.65	0.06-0.2	0.10-0.19	3.0-5.9	0.0-0.5	.24	.24			
Abell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lignum	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SeB:														

Table J1b. - Physical Properties of the Soils - Continued

Louisa County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
SeB:														
Sekil	0-10	---	---	5-18	1.20-1.50	2-6	0.08-0.17	0.0-2.9	0.5-2.0	.24	.24	2	3	86
	10-14	---	---	5-18	1.20-1.50	2-6	0.08-0.17	0.0-2.9	0.0-0.5	.32	.32			
	14-37	---	---	5-15	1.20-1.50	2-6	0.05-0.10	0.0-2.9	0.0-0.5	.24	.32			
	37-41	---	---	---	---	0.001-0.06	---	---	---	---	---			
Cullen	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Fluvanna	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Poindexter	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SeC:														
Sekil	0-10	---	---	5-18	1.20-1.50	2-6	0.08-0.17	0.0-2.9	0.5-2.0	.24	.24	2	3	86
	10-14	---	---	5-18	1.20-1.50	2-6	0.08-0.17	0.0-2.9	0.0-0.5	.32	.32			
	14-37	---	---	5-15	1.20-1.50	2-6	0.05-0.10	0.0-2.9	0.0-0.5	.24	.32			
	37-41	---	---	---	---	0.001-0.06	---	---	---	---	---			
Poindexter	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Rock outcrop	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SeC3:														
Sekil	0-10	---	---	5-18	1.20-1.50	2-6	0.08-0.17	0.0-2.9	0.5-2.0	.24	.24	2	3	86
	10-14	---	---	5-18	1.20-1.50	2-6	0.08-0.17	0.0-2.9	0.0-0.5	.32	.32			
	14-37	---	---	5-15	1.20-1.50	2-6	0.05-0.10	0.0-2.9	0.0-0.5	.24	.32			
	37-41	---	---	---	---	0.001-0.06	---	---	---	---	---			
Cecil	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cullen	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Fluvanna	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table J1b. - Physical Properties of the Soils - Continued

Louisa County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
SeC3:														
SeD:														
Sekil	0-10	---	---	5-18	1.20-1.50	2-6	0.08-0.17	0.0-2.9	0.5-2.0	.24	.24	2	3	86
	10-14	---	---	5-18	1.20-1.50	2-6	0.08-0.17	0.0-2.9	0.0-0.5	.32	.32			
	14-37	---	---	5-15	1.20-1.50	2-6	0.05-0.10	0.0-2.9	0.0-0.5	.24	.32			
	37-41	---	---	---	---	0.001-0.06	---	---	---	---	---			
Pacolet	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Wedowee	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cullen	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Rock outcrop	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SeE:														
Sekil	0-10	---	---	5-18	1.20-1.50	2-6	0.08-0.17	0.0-2.9	0.5-2.0	.24	.24	2	3	86
	10-14	---	---	5-18	1.20-1.50	2-6	0.08-0.17	0.0-2.9	0.0-0.5	.32	.32			
	14-37	---	---	5-15	1.20-1.50	2-6	0.05-0.10	0.0-2.9	0.0-0.5	.24	.32			
	37-41	---	---	---	---	0.001-0.06	---	---	---	---	---			
Rock outcrop	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SP:														
Sekil	0-10	---	---	5-18	1.20-1.50	2-6	0.08-0.17	0.0-2.9	0.5-2.0	.24	.24	2	3	86
	10-14	---	---	5-18	1.20-1.50	2-6	0.08-0.17	0.0-2.9	0.0-0.5	.32	.32			
	14-37	---	---	5-15	1.20-1.50	2-6	0.05-0.10	0.0-2.9	0.0-0.5	.24	.32			
	37-41	---	---	---	---	0.001-0.06	---	---	---	---	---			

Table J1b. - Physical Properties of the Soils - Continued

Louisa County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
SP:														
Poindexter	0-9	---	---	10-25	1.25-1.45	2-6	0.12-0.20	0.0-2.9	0.5-2.0	.32	.32	3	5	56
	9-20	---	---	20-35	1.35-1.45	0.6-2	0.13-0.19	0.0-2.9	0.0-0.5	.24	.28			
	20-40	---	---	10-35	1.30-1.55	0.6-6	0.08-0.15	0.0-2.9	0.0-0.5	.24	.28			
	40-79	---	---	---	---	0.001-0.06	---	---	---	---	---			
Rock outcrop	0-60	---	---	---	---	0.0000-0.06	---	---	---	---	---	---	---	0
Appling	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cecil	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cullen	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Fluvanna	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TaB2:														
Tatum	0-6	---	---	12-40	1.10-1.40	0.6-2	0.16-0.20	0.0-2.9	0.5-2.0	.32	.43	4	3	86
	6-42	---	---	35-60	1.40-1.60	0.6-2	0.10-0.19	3.0-5.9	0.0-0.5	.28	.28			
	42-62	---	---	---	---	0.001-0.06	---	---	---	---	---			
Nason	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Fluvanna	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TaC2:														
Tatum	0-6	---	---	12-40	1.10-1.40	0.6-2	0.16-0.20	0.0-2.9	0.5-2.0	.32	.43	4	3	86
	6-42	---	---	35-60	1.40-1.60	0.6-2	0.10-0.19	3.0-5.9	0.0-0.5	.28	.28			
	42-62	---	---	---	---	0.001-0.06	---	---	---	---	---			
Abell	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table J1b. - Physical Properties of the Soils - Continued

Louisa County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
TaC2:														
Manteo	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nason	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TaD2:														
Tatum	0-6	---	---	12-40	1.10-1.40	0.6-2	0.16-0.20	0.0-2.9	0.5-2.0	.32	.43	4	3	86
	6-42	---	---	35-60	1.40-1.60	0.6-2	0.10-0.19	3.0-5.9	0.0-0.5	.28	.28			
	42-62	---	---	---	---	0.001-0.06	---	---	---	---	---			
Manteo	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nason	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TmB3:														
Tatum	0-6	---	---	12-40	1.10-1.40	0.6-2	0.16-0.20	0.0-2.9	0.5-2.0	.28	.37	3	6	48
	6-42	---	---	35-60	1.40-1.60	0.6-2	0.10-0.19	3.0-5.9	0.0-0.5	.28	.28			
	42-62	---	---	---	---	0.001-0.06	---	---	---	---	---			
Cullen	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nason	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TmC3:														
Tatum	0-6	---	---	12-40	1.10-1.40	0.6-2	0.16-0.20	0.0-2.9	0.5-2.0	.28	.37	3	6	48
	6-42	---	---	35-60	1.40-1.60	0.6-2	0.10-0.19	3.0-5.9	0.0-0.5	.28	.28			
	42-62	---	---	---	---	0.001-0.06	---	---	---	---	---			
Cullen	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nason	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table J1b. - Physical Properties of the Soils - Continued

Louisa County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
TmD3:	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
Tatum	0-6	---	---	12-40	1.10-1.40	0.6-2	0.16-0.20	0.0-2.9	0.5-2.0	.28	.37	3	6	48
	6-42	---	---	35-60	1.40-1.60	0.6-2	0.10-0.19	3.0-5.9	0.0-0.5	.28	.28			
	42-62	---	---	---	---	0.001-0.06	---	---	---	---	---			
Manteo	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Rock outcrop	---	---	---	---	---	---	---	---	---	---	---	---	---	---
To:														
Toccoa	0-54	---	---	2-10	1.45-1.65	6-20	0.06-0.09	0.0-2.9	1.0-2.0	.24	.24	4	2	134
	54-72	---	---	2-19	1.40-1.50	2-6	0.09-0.12	0.0-2.9	0.0-0.5	.32	.32			
Chewacla	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Congaree	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ts:														
Toccoa	0-54	---	---	2-10	1.45-1.65	6-20	0.06-0.09	0.0-2.9	1.0-2.0	.28	.28	4	3	86
	54-72	---	---	2-19	1.40-1.50	2-6	0.09-0.12	0.0-2.9	0.0-0.5	.32	.32			
Chewacla	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Congaree	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TuB:														
Turbeville	0-12	---	---	3-18	1.35-1.55	2-6	0.08-0.15	0.0-2.9	0.5-2.0	.32	.32	5	3	86
	12-64	---	---	28-60	1.30-1.45	0.6-2	0.12-0.18	0.0-2.9	0.0-0.5	.28	.32			
	64-72	---	---	28-60	1.35-1.50	0.6-2	0.13-0.16	3.0-5.9	0.0-0.5	.24	.28			
Masada	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table J1b. - Physical Properties of the Soils - Continued

Louisa County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
W:														
Water	---	---	---	---	---	---	---	---	---	---	---	---	---	---
WaB2:														
Wedowee	0-11	---	---	5-30	1.25-1.60	2-6	0.10-0.18	0.0-2.9	0.5-3.0	.17	.20	3	3	86
	11-30	---	---	20-60	1.30-1.55	0.6-2	0.12-0.18	0.0-2.9	0.0-0.5	.28	.28			
	30-42	---	---	10-40	1.30-1.50	0.6-2	0.12-0.18	0.0-2.9	0.0-0.5	.28	.28			
Appling	0-9	---	---	10-20	1.30-1.45	0.6-2	0.12-0.15	0.0-2.9	0.5-1.0	.24	.24	4	3	86
	9-57	---	---	28-60	1.25-1.45	0.6-2	0.12-0.16	0.0-2.9	0.0-0.5	.28	.28			
	57-79	---	---	5-20	1.40-1.50	0.6-6	0.11-0.16	0.0-2.9	0.0-0.5	.24	.24			
Iredell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Pacolet	---	---	---	---	---	---	---	---	---	---	---	---	---	---
WaC2:														
Wedowee	0-11	---	---	5-30	1.25-1.60	2-6	0.10-0.18	0.0-2.9	0.5-3.0	.17	.20	3	3	86
	11-30	---	---	20-60	1.30-1.55	0.6-2	0.12-0.18	0.0-2.9	0.0-0.5	.28	.28			
	30-42	---	---	10-40	1.30-1.50	0.6-2	0.12-0.18	0.0-2.9	0.0-0.5	.28	.28			
Appling	0-9	---	---	10-20	1.30-1.45	0.6-2	0.12-0.15	0.0-2.9	0.5-1.0	.24	.24	4	3	86
	9-57	---	---	28-69	1.25-1.45	0.6-2	0.12-0.16	0.0-2.9	0.0-0.5	.28	.28			
	57-79	---	---	5-20	1.40-1.50	0.6-6	0.11-0.16	0.0-2.9	0.0-0.5	.24	.24			
Ashlar	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Pacolet	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Sekil	---	---	---	---	---	---	---	---	---	---	---	---	---	---

WaD2:

Table J1b. - Physical Properties of the Soils - Continued

Louisa County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
WaD2:														
Wedowee	0-11	---	---	5-30	1.25-1.60	2-6	0.10-0.18	0.0-2.9	0.5-3.0	.17	.20	3	3	86
	11-30	---	---	20-60	1.30-1.55	0.6-2	0.12-0.18	0.0-2.9	0.0-0.5	.28	.28			
	30-42	---	---	10-40	1.30-1.50	0.6-2	0.12-0.18	0.0-2.9	0.0-0.5	.28	.28			
Appling	0-9	---	---	10-20	1.30-1.45	0.6-2	0.12-0.15	0.0-2.9	0.5-1.0	.24	.24	4	3	86
	9-57	---	---	28-60	1.25-1.45	0.6-2	0.12-0.16	0.0-2.9	0.0-0.5	.28	.28			
	57-79	---	---	5-20	1.40-1.50	0.6-6	0.11-0.16	0.0-2.9	0.0-0.5	.24	.24			
Ashlar	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Poindexter	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Sekil	---	---	---	---	---	---	---	---	---	---	---	---	---	---
WdD3:														
Wedowee	0-11	---	---	20-30	1.30-1.50	0.6-2	0.12-0.18	0.0-2.9	0.5-3.0	.28	.28	2	5	56
	11-30	---	---	14-30	1.30-1.55	0.6-2	0.12-0.18	0.0-2.9	0.0-0.5	.28	.28			
	30-42	---	---	35-45	1.30-1.50	0.6-2	0.12-0.18	0.0-2.9	0.0-0.5	.28	.28			
	42-46	---	---	15-30	1.20-1.50	0.6-2	0.08-0.15	0.0-2.9	0.0-0.5	.28	.28			
Appling	0-9	---	---	20-35	1.30-1.45	0.6-2	0.12-0.15	0.0-2.9	0.5-1.0	.15	.15	3	5	56
	9-57	---	---	28-60	1.25-1.45	0.6-2	0.12-0.16	0.0-2.9	0.0-0.5	.28	.28			
	57-79	---	---	5-20	1.40-1.50	0.6-6	0.11-0.16	0.0-2.9	0.0-0.5	.24	.24			
Ashlar	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Poindexter	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Sekil	---	---	---	---	---	---	---	---	---	---	---	---	---	---

We:

Table J1b. - Physical Properties of the Soils - Continued

Louisa County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
We:														
Wehadkee	0-10	---	---	6-27	1.35-1.50	0.6-2	0.15-0.24	0.0-2.9	2.0-5.0	.37	.37	5	6	48
	10-52	---	---	6-40	1.30-1.50	0.6-2	0.16-0.20	0.0-2.9	0.0-0.5	.32	.32			
	52-58	---	---	2-27	1.20-1.50	0.06-20	0.07-0.20	0.0-2.9	0.0-0.5	.24	.24			
Chewacla	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Forestdale	---	---	---	---	---	---	---	---	---	---	---	---	---	---
WH:														
Wehadkee	0-10	---	---	6-27	1.35-1.50	0.6-2	0.15-0.24	0.0-2.9	2.0-5.0	.37	.37	5	6	48
	10-52	---	---	6-40	1.30-1.50	0.6-2	0.16-0.20	0.0-2.9	0.0-0.5	.32	.32			
	52-58	---	---	2-27	1.20-1.50	0.06-20	0.07-0.20	0.0-2.9	0.0-0.5	.24	.24			
Chewacla	0-25	---	---	10-28	1.30-1.60	0.6-2	0.15-0.24	0.0-2.9	1.0-4.0	.37	.37	5	5	56
	25-48	---	---	18-35	1.30-1.60	0.6-2	0.12-0.20	0.0-2.9	0.8-1.5	.28	.28			
	48-52	---	---	10-25	1.30-1.50	0.6-2	0.15-0.24	0.0-2.9	0.8-1.5	.32	.32			
Congaree	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Forestdale	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Fork	---	---	---	---	---	---	---	---	---	---	---	---	---	---
WkB:														
Wickham	0-7	---	---	8-15	1.45-1.65	2-6	0.11-0.16	0.0-2.9	0.5-2.0	.32	.32	5	3	86
	7-52	---	---	10-35	1.30-1.50	0.6-2	0.12-0.17	0.0-2.9	0.0-0.5	.24	.24			
	52-72	---	---	5-20	1.25-1.45	2-6	0.10-0.15	0.0-2.9	0.0-0.5	.32	.32			
Altavista	---	---	---	---	---	---	---	---	---	---	---	---	---	---

WoB:

Table J1b. - Physical Properties of the Soils - Continued

Louisa County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
WoB:														
Worsham	0-8	---	---	10-20	1.25-1.55	2-6	0.10-0.15	0.0-2.9	1.0-2.0	.28	.28	4	3	86
	8-57	---	---	30-55	1.35-1.65	0.001-0.06	0.10-0.16	3.0-5.9	0.0-0.5	.28	.28			
	57-69	---	---	10-40	1.20-1.50	0.2-0.6	0.08-0.19	3.0-5.9	0.0-0.5	.28	.28			
Abell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Colfax	---	---	---	---	---	---	---	---	---	---	---	---	---	---
YoB:														
York	0-11	---	---	5-35	1.00-1.20	0.6-2	0.14-0.20	0.0-2.9	0.1-2.0	.43	.43	4	3	86
	11-26	---	---	18-35	1.20-1.50	0.6-2	0.16-0.20	0.0-2.9	0.0-0.5	.43	.43			
	26-32	---	---	15-35	1.60-1.80	0.2-0.6	0.10-0.14	0.0-2.9	0.0-0.5	.43	.43			
	32-45	---	---	15-40	1.50-1.70	0.6-2	0.16-0.20	0.0-2.9	0.0-0.5	.43	.43			
Lignum	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nason	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ZoB:														
Zion	0-13	---	---	10-25	1.20-1.50	0.6-2	0.14-0.20	0.0-2.9	0.5-2.0	.32	.32	2	5	56
	13-18	---	---	15-40	1.20-1.50	0.001-0.6	0.06-0.13	0.0-2.9	0.0-0.5	.28	.37			
	18-27	---	---	28-60	1.20-1.50	0.001-0.6	0.10-0.19	6.0-8.9	0.0-0.5	.28	.28			
	27-36	---	---	5-20	1.30-1.60	0.2-2	0.07-0.15	6.0-8.9	0.0-0.5	.17	.20			
	36-40	---	---	---	---	0.001-0.06	---	---	---	---	---			
Forestdale	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Iredell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Poindexter	---	---	---	---	---	---	---	---	---	---	---	---	---	---

ZoB2:

Table J1b. - Physical Properties of the Soils - Continued

Louisa County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
ZoB2:														
Zion	0-13	---	---	10-25	1.20-1.50	0.6-2	0.14-0.20	0.0-2.9	0.5-2.0	.32	.32	2	5	56
	13-18	---	---	15-40	1.20-1.50	0.001-0.6	0.06-0.13	0.0-2.9	0.0-0.5	.28	.37			
	18-27	---	---	28-60	1.20-1.50	0.001-0.6	0.10-0.19	6.0-8.9	0.0-0.5	.28	.28			
	27-36	---	---	5-20	1.30-1.60	0.2-2	0.07-0.15	6.0-8.9	0.0-0.5	.17	.20			
	36-40	---	---	---	---	0.001-0.06	---	---	---	---	---			
Enon	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mecklenburg	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Poindexter	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Elbert	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ZoC2:														
Zion	0-13	---	---	10-25	1.20-1.50	0.6-2	0.14-0.20	0.0-2.9	0.5-2.0	.32	.32	2	5	56
	13-18	---	---	15-40	1.20-1.50	0.001-0.6	0.06-0.13	0.0-2.9	0.0-0.5	.28	.37			
	18-27	---	---	28-60	1.20-1.50	0.001-0.6	0.10-0.19	6.0-8.9	0.0-0.5	.28	.28			
	27-36	---	---	5-20	1.30-1.60	0.2-2	0.07-0.15	6.0-8.9	0.0-0.5	.17	.20			
	36-40	---	---	---	---	0.001-0.06	---	---	---	---	---			
Sekil	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Poindexter	---	---	---	---	---	---	---	---	---	---	---	---	---	---